

Db 61 TAAATAAVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVPAP 120
QY 121 AAAQASAPAOQTAPTSAPAVAPT 143
Db 121 AAAQASAPAOQTAPTSAPAVAPT 143

RESULT 2

US-10-720-273-2
; Sequence 2, Application US/10720273
; Publication No. US20040141978A1
; GENERAL INFORMATION:
; APPLICANT: HOLMGREN, Lars
; APPLICANT: TROYANOVSKY, Boris
; TITLE OF INVENTION: ANGIOGENESIS RELATED MOLECULES
; FILE REFERENCE: 0552-0154P
; CURRENT APPLICATION NUMBER: US/10/720,273
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US 09/332,063
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: 60/114,386
; PRIOR FILING DATE: 1998-12-29
; PRIOR APPLICATION NUMBER: 60/089,266
; PRIOR FILING DATE: 1998-06-15
; PRIOR APPLICATION NUMBER: SE9804372-2
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 675
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-720-273-2

Query Match 100.0%; Score 663; DB 16; Length 675;
Best Local Similarity 100.0%; Pred. No. 3e-35;
Matches 143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ESNKTAAPVAPISVPAPVAAAATAATTAATTTTMTVAAAATAVAAAAPAAAAAPSA 60
Db 462 ESNKTAAPVAPISVPAPVAAAATAATTAATTTTMTVAAAATAVAAAAPAAAAAPSA 521
QY 61 TAAATAAVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVPAP 120
Db 522 TAAATAAVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVPAP 581
QY 121 AAAQASAPAOQTAPTSAPAVAPT 143
Db 582 AAAQASAPAOQTAPTSAPAVAPT 604

RESULT 3

US-10-720-273-3
; Sequence 3, Application US/10720273
; Publication No. US20040141978A1
; GENERAL INFORMATION:
; APPLICANT: HOLMGREN, Lars
; APPLICANT: TROYANOVSKY, Boris
; TITLE OF INVENTION: ANGIOGENESIS RELATED MOLECULES
; FILE REFERENCE: 0552-0154P
; CURRENT APPLICATION NUMBER: US/10/720,273
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US 09/332,063
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: 60/114,386
; PRIOR FILING DATE: 1998-12-29
; PRIOR APPLICATION NUMBER: 60/089,266
; PRIOR FILING DATE: 1998-06-15
; PRIOR APPLICATION NUMBER: SE9804372-2
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3
; LENGTH: 675
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (135)..(135)
; OTHER INFORMATION: Residue 135 = Asn, Ser or Asp
; NAME/KEY: VARIANT
; LOCATION: (148)..(150)
; OTHER INFORMATION: Residues 148-150 = Glu-Leu-Ala or Thr-Thr-Pro
US-10-720-273-3

Query Match 100.0%; Score 663; DB 16; Length 675;
Best Local Similarity 100.0%; Pred. No. 3e-35;
Matches 143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ESNKTAAPVAPISVPAPVAAAATAATTAATTTTMTVAAAATAVAAAAPAAAAAPSA 60
Db 462 ESNKTAAPVAPISVPAPVAAAATAATTAATTTTMTVAAAATAVAAAAPAAAAAPSA 521
QY 61 TAAATAAVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVPAP 120
Db 522 TAAATAAVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVPAP 581
QY 121 AAAQASAPAOQTAPTSAPAVAPT 143
Db 582 AAAQASAPAOQTAPTSAPAVAPT 604

RESULT 4

US-10-184-644-75
; Sequence 75, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zhenlin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 75
; LENGTH: 4640
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-75

Query Match 37.6%; Score 249.5; DB 14; Length 4640;
Best Local Similarity 51.4%; Pred. No. 7.8e-08;
Matches 74; Conservative 7; Mismatches 56; Indels 7; Gaps 2;

QY 5 TAAVAPISVPAPVAAAATAA---ITA---TAATTTTMTVAAAATAVAAAAPAAAAAP 57
Db 4493 TAAATAGCTTAAATAATTAAGCAATGTTCATGTTTAAATAAAAAAAAAAAAAA 4552
QY 58 SPATTAATAAASVSPAAAGQIPAAASVASAAAVAPSAATAAATAVAAAPAPVPAALVVP 117
Db 4553 AA 4612
QY 118 PAPAAAQASAPAOQTAPTSAPAVA 141

Db 4613 AAAAAAAAAAAAAAAAAAAAAA 4636

RESULT 5

US-10-184-634-75
; Sequence 75, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 75
; LENGTH: 4640
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-75

Query Match 37.6%; Score 249.5; DB 14; Length 4640;
Best Local Similarity 51.4%; Pred. No. 7.8e-08;
Matches 74; Conservative 7; Mismatches 56; Indels 7; Gaps 2;

QY 5 TAAVAPISVPAPVAAAATAA---ITA---TAATTTTAAAPVAVAAAAAP 57
DB 4493 TAAATGAGCTTAAATAAAGCATATGTTTCATGTTTAAATAAATAA 4552
QY 58 SPATAATTAATVSPAAAGQIPAAASVSAATAVAPSAATAAATAAATAA 117
DB 4553 AA 4612
QY 118 PAPAQAQAPAPQOTAPTSAPAVA 141
DB 4613 AAAAAAAAAAAAAAAAAAAAAA 4636

RESULT 6

US-10-184-644-169
; Sequence 169, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 169
; LENGTH: 2846
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-169

Query Match 37.6%; Score 249; DB 14; Length 2846;
Best Local Similarity 50.4%; Pred. No. 5.4e-08;
Matches 68; Conservative 8; Mismatches 59; Indels 0; Gaps 0;

QY 5 TAAVAPISVPAPVAAAATAAATAATTTTAAAPVAVAAAAAPSPATAA 64
DB 2711 TACAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2770
QY 65 TAAVSPAAAGQIPAAASVSAATAVAPSAATAAATAAATAAATAAATAA 124
DB 2771 AA 2830
QY 125 ASAPAQOTAPTSAPA 139
DB 2831 AAAAAAAAAAAAAA 2845

RESULT 7

US-10-184-634-169
; Sequence 169, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 169
; LENGTH: 2846
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-169

Query Match 37.6%; Score 249; DB 14; Length 2846;
Best Local Similarity 50.4%; Pred. No. 5.4e-08;
Matches 68; Conservative 8; Mismatches 59; Indels 0; Gaps 0;

QY 5 TAAVAPISVPAPVAAAATAAATAATTTTAAAPVAVAAAAAPSPATAA 64
DB 2711 TACAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2770
QY 65 TAAVSPAAAGQIPAAASVSAATAVAPSAATAAATAAATAAATAAATAA 124
DB 2771 AA 2830
QY 125 ASAPAQOTAPTSAPA 139
DB 2831 AAAAAAAAAAAAAA 2845

RESULT 8

US-10-063-685-37
; Sequence 37, Application US/10063685
; Publication No. US20030180909A1

```

RESULT 9
US-10-123-155-99
/ Sequence 99, Application US/10123155
/ Publication No. US20030068794A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Geo, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330RIC30
/ CURRENT APPLICATION NUMBER: US/10/123,155
/ PRIOR APPLICATION REMOVED - 2002-04-15
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 99
/ LENGTH: 1904
/ TYPE: DNA
/ ORGANISM: Homo Sapien

```

	Query Match	37.3%	Score 247;	DB 14;	Length 1904;
	Best Local Similarity	53.5%	Pred. No. 5e-08;		
	Matches	68;	Conservative	7;	Mismatches 52; Indels 0; Gaps 0;
QY	15	APVAAAATTAAATTTTAAATTTTAAAAFPVA#####PATAAATTAASPPAA	74		
Db	1770	AACAAAATAAGTAGTAATCCCA#####AAAAAAAAAAAAAAAAAAAAA	1829		
QY	75	GQIPPAASVASAAAVSP#####VQVAPAPAFVPAPALVFPVAPAAQASAPAQTOAP	134		
Db	1830	AAA	1889		
QY	135	TSAPAVA	141		
Db	1890	AAAAAAA	1896		

RESULT 11
US-10-140

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Sequence 99, Application US/10140472
Publication No. US20030138888A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C168
CURRENT APPLICATION NUMBER: US/10/140,472
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 99
LENGTH: 1904
TYPE: DNA
ORGANISM: Homo Sapien
US-10-140-472-99

Query Match      37.3%; Score 247; DB 14; Length 1904;
Best Local Similarity 53.5%; Pred. No. 5e-08;
Matches 68; Conservative 7; Mismatches 52; Indels 0; Gaps 0;

QY 15 APVAAATTAATATATATTTTAAAFVAAAPVAAAPAAAAAPSPATTAATTAASPPAA 74
DB 1770 AACAAATTAAGTGAATCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1829

QY 75 GQIPAAASVSAASAAVAPSAASAAAVQVAPAPVAPALVPVAPAAQAASAPAQOTAP 134
DB 1830 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1889

QY 135 TSAPAVA 141
DB 1890 AAAAAAA 1896

RESULT 12
US-10-141-761-99
Sequence 99, Application US/10141761
Publication No. US2003014832A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

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FILE REFERENCE: P330R1C198
CURRENT APPLICATION NUMBER: US/10/141,761
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 99
LENGTH: 1904
TYPE: DNA
ORGANISM: Homo Sapien
US-10-141-761-99

Query Match      37.3%; Score 247; DB 14; Length 1904;
Best Local Similarity 53.5%; Pred. No. 5e-08;
Matches 68; Conservative 7; Mismatches 52; Indels 0; Gaps 0;

QY 15 APVAAATTAATATATATTTTAAAFVAAAPVAAAPAAAAAPSPATTAATTAASPPAA 74
DB 1770 AACAAATTAAGTGAATCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1829

QY 75 GQIPAAASVSAASAAVAPSAASAAAVQVAPAPVAPALVPVAPAAQAASAPAQOTAP 134
DB 1830 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1889

QY 135 TSAPAVA 141
DB 1890 AAAAAAA 1896

RESULT 13
US-10-142-885-99
Sequence 99, Application US/10142885
Publication No. US20030157604A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C248
CURRENT APPLICATION NUMBER: US/10/142,885
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 99
LENGTH: 1904
TYPE: DNA
ORGANISM: Homo Sapien
US-10-142-885-99

Query Match      37.3%; Score 247; DB 14; Length 1904;
Best Local Similarity 53.5%; Pred. No. 5e-08;
Matches 68; Conservative 7; Mismatches 52; Indels 0; Gaps 0;

QY 15 APVAAATTAATATATATTTTAAAFVAAAPVAAAPAAAAAPSPATTAATTAASPPAA 74
DB 1770 AACAAATTAAGTGAATCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1829

QY 75 GQIPAAASVSAASAAVAPSAASAAAVQVAPAPVAPALVPVAPAAQAASAPAQOTAP 134
```

[illegible]

RESULT 14
US-10-158-790-99
; Sequence 99, Application US/10158790
; Publication No. US20030180879A1

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APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330P1C448
CURRENT APPLICATION NUMBER: US/10/158,790
CURRENT FILING DATE: 2002-05-30
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 99
LENGTH: 1904
TYPE: DNA
ORGANISM: Homo Sapien
US-10-158-790-99

```

Query Match	37.3%	Score 247;	DB 14;	Length 1904;
Best Local Similarity	53.5%;	Pred. No. 5e-08;		
Matches 68;	Conservative 7;	Mismatches 52;	Indels 0;	Gaps 0;

```
QY 15 PFVAAAAATAATATATATTTTMMVAAAAPVAVAAAAAPAAAAAPSATAAATAAVSPAAA 74
Db 1770 AACCAAAATTAAGTGAATCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1829
QY 75 GQIPAAASVASAAAVPAAAAAAVQVAPAPAPVPAPALVVPAPAAAOASAPAQTOAP 134
Db 1830 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1889
QY 135 TSPAPAVA 141
Db 1890 AAAAAAA 1896
```

RESULT 15
US-10-137-871-99
; Sequence 99, Application US/10137871
; Publication No. US20030207350A1

APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E
APPLICANT: Goddard, Audrey

```

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenlin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C153
CURRENT APPLICATION NUMBER: US/10/137,871
CURRENT FILING DATE: 2002-05-03
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 99
LENGTH: 1904
TYPE: DNA
ORGANISM: Homo Sapien
US-10-137-871-99

```

Query Match	37.3%	Score 247;	DB 15;	Length 1904;
Best Local Similarity	53.5%;	Pred. No. 5e-08;		
Matches 68;	Conservative 7;	Mismatches 52;	Indels 0;	Gaps 0;

```
QY 13 APVAAAATTAATTATTAATTTTAAAPVAVAAAAAPAAAAAPSPATTAATAAASPAA 74
Db 1770 AACAAATTTAAATGAAATCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1828
QY 75 GQIPAAASVSAAAVAPSPAAAAAVQVAPAPAPVPAPALVPVPAPAAQASAPQOTAP 134
Db 1830 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1885
QY 135 TSAPAVA 141
Db 1890 AAAAAAA 1896
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Search completed: February 10, 2005, 10:28:07
Job time : 32.1174 secs

1	203.5	30.7	316	4	US-09-252-991A-32957	Sequence 32957, A
2	200.5	30.2	442	3	US-08-834-306-52	Sequence 52, Appl
3	200.5	30.2	442	3	US-08-993-674A-52	Sequence 52, Appl
4	200.5	30.2	442	4	US-09-256-976-52	Sequence 52, Appl
5	198.5	29.9	219	2	US-08-557-309A-54	Sequence 54, Appl
6	197	29.7	262	1	US-08-403-179A-1	Sequence 1, Appl
7	197	29.7	262	2	US-08-929-414-1	Sequence 1, Appl
8	197	29.7	263	2	US-08-557-309B-51	Sequence 51, Appl
9	197	29.7	263	3	US-08-834-306-51	Sequence 51, Appl
10	197	29.7	263	3	US-08-993-674A-51	Sequence 51, Appl
11	197	29.7	263	4	US-09-256-976-51	Sequence 51, Appl
12	195	29.4	180	6	5273501.7	Patent No. 5273501
13	195	29.4	180	6	5462709-6	Patent No. 5462709
14	195	29.4	180	6	5273501.7	Patent No. 5273501
15	195	29.4	180	6	5462709-6	Patent No. 5462709
16	195	29.4	805	3	US-09-103-429A-4	Sequence 4, Appl
17	195	29.4	807	4	US-09-294-663-4	Sequence 4, Appl
18	192.5	29.0	191	4	US-09-270-767-55622	Sequence 35622, A
19	192.5	29.0	191	4	US-09-270-767-50839	Sequence 50839, A
20	185.5	28.0	786	4	US-09-103-429A-3	Sequence 3, Appl
21	185.5	28.0	788	4	US-09-294-663-3	Sequence 3, Appl
22	181	27.3	399	4	US-09-252-991A-22853	Sequence 22853, A
23	177	26.7	2972	3	US-09-579-181-2	Sequence 2, Appl
24	177	26.7	3118	3	US-09-579-181-1	Sequence 1, Appl
25	175	26.4	98	2	US-07-814-220-2	Sequence 2, Appl
26	175	26.4	98	2	US-07-814-421-2	Sequence 2, Appl
27	173	26.1	1627	4	US-09-902-540-11280	Sequence 11280, A

45	152.5	22.0	618	4	US-09-252-991A-27666	Sequence 27666, A
44	153	23.5	165	4	US-09-1489-039A-9067	Sequence 9067, App
43	156	22.5	750	3	US-09-165-239A-1	Sequence 4, App1
42	156.5	23.6	699	4	US-10-237-551-13	Sequence 143, App
41	156.5	23.6	699	4	US-10-237-551-13	Sequence 143, App
40	156.5	22.6	486	1	US-08-450-360-2	Sequence 2, App1
39	158.5	22.9	538	4	US-09-616-289-43	Sequence 43, App1
38	159	24.0	271	4	US-09-248-796A-10580	Sequence 21050, A
37	159	24.0	178	4	US-09-252-991A-20280	Sequence 20280, A
36	159.5	24.1	550	4	US-09-616-289-47	Sequence 47, App1
35	159.5	24.1	550	4	US-09-616-289-47	Sequence 47, App1
34	160	24.1	773	4	US-09-248-796A-25211	Sequence 25211, A
33	162	24.4	8991	4	US-08-714-701-32	Sequence 34, App1
32	162	24.4	206	4	US-08-529-055-54	Sequence 52, App1
31	165	24.9	304	4	US-08-529-055-54	Sequence 52, App1
30	167	25.2	349	4	US-09-252-991A-23116	Sequence 23116, A
29	168	25.3	756	4	US-09-270-767-44316	Sequence 44316, A
28	169	25.5	375	4	US-09-963-117-184	Sequence 184, App
27	169	25.5	375	4	US-09-963-117-184	Sequence 184, App

ALIGNMENTS

```

RESULT 1
US-09-252-991A-32957
: Sequence 32957, Application US/09252991A
: Patent No. 6551795
: GENERAL INFORMATION:
: APPLICANT: Marc J. Rubenfield et al.
: TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
: TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: 107196.136
: CURRENT APPLICATION NUMBER: US/09/252,991A
: PRIORITY FILING DATE: 1999-02-18
: PRIOR APPLICATION NUMBER: US 60/074,788
: PRIOR FILING DATE: 1998-02-18
: PRIOR APPLICATION NUMBER: US 60/094,190
: PRIOR FILING DATE: 1998-07-27
: NUMBER OF SEQ ID NOS: 33142
: SEQ ID NO 32957
: LENGTH: 316
: TYPE: prt
: ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32957

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ch 30.78; Score 203.5; DB 4; Length 316;

Best Local Similarity 43.3%; Preci.NO. 9.9e-05;
Matches 61; Conservative 8; Mismatches 57; Indels 13; Gaps 4

QY 4 KTAATAVPSVPAVVAATAATTAATTTATTTTWTWAAAAPVAAATAAPAAAAAPSPATA 63
 Db 174 KTAATAKPAKPAKAAKAPAA---KPAACKPAKTAATAAPAKPAKPAKPAKAAKATTKP 230
 QY 64 ATAAAVSPAAGQITPAASVSAAGAAVAPSPAAAAAIVQVAPAPAPVAPAPVVPAPAAA 123
 Db 231 AAKAAAKPAK---PAAAKPAAATPAKPAKPA---KPAKKPA---AKKPAAPAAA 260
 QY 124 QASAPAQTAPTSAPAVAP 142
 Db 281 KPAAPAAASSAPAPAPATP 299

```

RESULT 2
US-08-834-306-52
; Sequence 52, Application US/08834306
; Patent No. 6054135
;
GENERAL INFORMATION:
;
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND
PREVENTION OF T
;
NUMBER OF SEQUENCES: 65

```

	Query Match	30.2%	Score 200.5;	DB 4;	Length 442;
	Best Local Similarity	45.8%;	Pred. No. 2,4e-08;		
	Matches	65;	Conservative	6;	Mismatches 64; Indels 7; Gaps 5
Qy	2	SNKTAAVPISVPAAATAAATATATTTTTWWAAAPVVAIAAAAAPAAAAASPAT	61		
Ddb	298	SGKSASAK--AAPAK-AAAAPAKAAAPPATKTAAPAPAKAAP--AKAAAAPAKAAAPPACT	352		
Qy	62	AAATR-AAVSPPAAAGQIPAAASVSAASAAVAPSAAAAAAAVAPAEAPVPAPALVEVPAP	120		
Ddb	353	AAPPAKTAAAPAKAAPPAKAAAPPAKGAAPPAKAAAAAPKAAAAAPAKAAAP-ACGAAAP	411		
Qy	121	AAAGSAPAGTOGAPTSPAPAVAP	142		

Db 412 PAKAAAPPAAKAAAPPAAKAAAP 433

RESULT 5

US-08-557-309B-54

Sequence 54, Application US/08557309B

Patent No. 5916572

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Lodes, Michael J.

APPLICANT: Houghton, Raymond L.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND PREVENTION OF T

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/557,309B

FILING DATE: 14-NOV-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.422

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 682-6031

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 219 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-557-309B-54

Query Match 29.9%; Score 198.5; DB 2; Length 219;

Best Local Similarity 45.1%; Pred. No. 1.7e-08; Indels 7; Gaps 4;

Matches 65; Conservative 4; Mismatches 68;

QY 4 KTAAVAPISVPAPVAAATAITATTITTTTAAAPVAVAA-AAAAPAAAAPSP 59

DB 69 KKAAPSGKSAKAAAPAKAAAPAKAAAPAKAAAPAKAAAPAKAAAPAKAAAP 127

QY 60 ATAAATA-AAVSPAAAGQIPAAASVSAASAAVAPSAASAAVAPAPAPVAPAPV 118

DB 128 KTAAPPAKTAAPPAKAAAPPAKAAAPPAKAAAPPAKAAAPPAKAAAPPAKAAAP 186

QY 119 APAAAOASAPAOQAFTSAAPAVAP 142

DB 187 APPAKAAAPPAAKAAAPPAAKAAAPP 210

RESULT 6

US-08-403-379A-1

Sequence 1, Application US/08403379A

Patent No. 575662

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/403,379A

FILING DATE: 14-MAR-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.406

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 682-6031

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 262 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-403-379A-1

Query Match 29.7%; Score 197; DB 1; Length 262;

Best Local Similarity 44.3%; Pred. No. 2.6e-08; Indels 12; Gaps 5;

Matches 66; Conservative 8; Mismatches 63;

QY 1 ESNKTAAVAPISVPAPVAA-ATTAATTAATTTTAAAPVAVAAAPVAAAP 55

DB 110 EDAAAAAAAKKAAKAAAPSGKSAKAAAPAKAAAPAKAAAPAKAAAP 168

QY 56 APSPTAATAATAVSPAAAGQIPR-ASVSAASAAVAPSAASAAVAPAPAPVAP 113

DB 169 APKAAAPPAKAAATAPAAAPAAAPAKAAAPPAKAAAPPAKAAATAPAKAAAP 228

QY 114 LVPVAPAAAOASAPAOQAFTSAAPAVAP 142

DB 229 -ATAPAKA-ATAPAKAAAPPAKAAATAP 253

RESULT 7

US-08-929-414-1

Sequence 1, Application US/08929414

Patent No. 5942403

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

APPLICANT: Houghton, Raymond

APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/929,414

FILING DATE: 15-SEP-1997

CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.406C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 262 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-929-414-1

Query Match 29.7%; Score 197; DB 2; Length 262;
Best Local Similarity 44.3%; Pred. No. 2.6e-08;
Matches 66; Conservative 8; Mismatches 63; Indels 12; Gaps 5;

QY 1 ESNKTAAVAPISVPVAAA-----ATAATTAATTTTWWAAAPVAVAAAAAPAAA 55
DB 110 EDAAAAAAAKQKAAKAAAPSGKSAKAAIAPAKAAAAPAKAAAAP-AAAAAPAKAAA 168
QY 56 APSPTAAATAAASVSPAAAGQIPA--AASVSAANAAPSAANAAPVAVAPAPVAPA 113
DB 169 APAKAAAAAPAKAATAPAKAAAAPAKTAAAPAKAAAAPAKAAAAPAKAATAPAKAAAAPAKA 228
QY 114 LVPVAPAAQAASAPQTOAPTSAAPVAP 142
DB 229 ---ATAAPAKA-ATAAPAKAAAAPAKAATAP 253

RESULT 8

US-08-557-309B-51
Sequence 51, Application US/08557309B
Patent No. 5916572

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND PREVENTION OF T
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/557.309B
FILING DATE: 14-NOV-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.422
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 263 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

US-08-557-309B-51

Query Match 29.7%; Score 197; DB 2; Length 263;
Best Local Similarity 44.3%; Pred. No. 2.6e-08;
Matches 66; Conservative 8; Mismatches 63; Indels 12; Gaps 5;

QY 1 ESNKTAAVAPISVPVAAA-----ATAATTAATTTTWWAAAPVAVAAAAAPAAA 55
DB 111 EDAAAAAAAKQKAAKAAAPSGKSAKAAIAPAKAAAAPAKAAAAP-AAAAAPAKAAA 169
QY 56 APSPTAAATAAASVSPAAAGQIPA--AASVSAANAAPSAANAAPVAVAPAPVAPA 113
DB 170 APAKAAAAAPAKAATAPAKAAAAPAKTAAAPAKAAAAPAKAAAAPAKAATAPAKAAAAPAKA 229
QY 114 LVPVAPAAQAASAPQTOAPTSAAPVAP 142
DB 230 ---ATAAPAKA-ATAAPAKAAAAPAKAATAP 254

RESULT 9

US-08-834-306-51
Sequence 51, Application US/08834306
Patent No. 6054135

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND PREVENTION OF T
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834.306
FILING DATE: 15-APR-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.422C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 263 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-834-306-51

Query Match 29.7%; Score 197; DB 3; Length 263;
Best Local Similarity 44.3%; Pred. No. 2.6e-08;
Matches 66; Conservative 8; Mismatches 63; Indels 12; Gaps 5;

QY 1 ESNKTAAVAPISVPVAAA-----ATAATTAATTTTWWAAAPVAVAAAAAPAAA 55
DB 111 EDAAAAAAAKQKAAKAAAPSGKSAKAAIAPAKAAAAPAKAAAAP-AAAAAPAKAAA 169
QY 56 APSPTAAATAAASVSPAAAGQIPA--AASVSAANAAPSAANAAPVAVAPAPVAPA 113
DB 170 APAKAAAAAPAKAATAPAKAAAAPAKTAAAPAKAAAAPAKAAAAPAKAATAPAKAAAAPAKA 229

LOS VEH
BY

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OM protein - protein search, using sw model

Run on: February 10, 2005, 10:01:57 ; Search time 33.0073 Seconds
(without alignments)
1526.573 Million cell updates/sec

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Sequence score: 3347
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Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	275	8.2	1231	4	US-08-714-741-41 Sequence 41, Appl
2	263	7.9	8991	4	US-08-714-741-32 Sequence 32, Appl
3	252	7.5	2972	3	US-09-579-181-2 Sequence 2, Appl
4	252	7.5	3118	3	US-09-579-181-1 Sequence 1, Appl
5	250.5	7.5	399	4	US-09-252-991A-22853 Sequence 22853, A
6	249	7.4	1020	4	US-09-538-092-911 Sequence 911, App
7	246.5	7.4	2186	4	US-09-949-016-10828 Sequence 10828, A
8	245.5	7.3	2349	4	US-09-538-092-914 Sequence 914, App
9	245.5	7.1	805	3	US-09-103-429A-4 Sequence 4, Appl
10	237.5	7.1	807	4	US-09-294-663-4 Sequence 4, Appl
11	235	7.0	788	3	US-09-103-429A-3 Sequence 3, Appl
12	235	7.0	788	4	US-09-294-663-3 Sequence 3, Appl
13	234.5	7.0	1326	4	US-09-688-188B-15 Sequence 15, Appl
14	234.5	7.0	1326	4	US-09-291-417D-15 Sequence 15, Appl
15	231	6.9	316	4	US-09-252-991A-32957 Sequence 32957, A
16	229	6.8	802	4	US-09-823-240A-2 Sequence 2, Appl
17	226.5	6.8	2482	1	US-08-328-254-6 Sequence 6, Appl
18	226.5	6.8	3210	1	US-09-538-092-1154 Sequence 1154, Ap
19	225.5	6.7	756	4	US-09-563-137-184 Sequence 184, App
20	225	6.7	3248	1	US-08-153-700-1 Sequence 1, Appl
21	225	6.7	3248	5	PCT-US95-16216-1 Sequence 1, Appl
22	223.5	6.7	1079	4	US-09-489-039A-7502 Sequence 7502, Ap
23	221	6.6	1070	4	US-09-902-540-13861 Sequence 13861, A
24	216	6.5	442	3	US-08-834-306-52 Sequence 52, Appl
25	216	6.5	442	3	US-08-993-674A-52 Sequence 52, Appl
26	216	6.5	442	4	US-09-256-976-52 Sequence 52, Appl
27	216	6.5	1444	4	US-09-902-540-16727 Sequence 16727, A

28	216	6.5	1976	4	US-09-538-092-1078 Sequence 1078, Ap
29	213.5	6.4	1935	4	US-09-538-092-916 Sequence 916, App
30	213.5	6.4	1944	4	US-09-949-016-10929 Sequence 10929, A
31	213	6.4	262	1	US-08-403-379A-1 Sequence 1, Appl
32	213	6.4	262	2	US-08-929-414-1 Sequence 51, Appl
33	213	6.4	263	2	US-08-557-309B-51 Sequence 51, Appl
34	213	6.4	263	3	US-08-834-306-51 Sequence 51, Appl
35	213	6.4	263	3	US-08-993-674A-51 Sequence 51, Appl
36	213	6.4	263	4	US-09-256-976-51 Sequence 51, Appl
37	213	6.4	1780	4	US-09-949-016-6899 Sequence 6899, Ap
38	213	6.4	1786	4	US-09-949-016-7880 Sequence 7880, Ap
39	213	6.4	1972	4	US-08-875-435B-3 Sequence 3, Appl
40	212.5	6.3	191	4	US-09-270-767-35622 Sequence 35622, A
41	212.5	6.3	191	4	US-09-270-767-50839 Sequence 50839, A
42	212.5	6.3	1274	3	US-09-095-443-2 Sequence 2, Appl
43	210.5	6.3	1075	4	US-09-252-991A-18387 Sequence 18387, A
44	210.5	6.3	1942	4	US-09-949-016-8135 Sequence 8135, Ap
45	209.5	6.3	1315	3	US-08-899-595-3 Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-08-714-741-41
Sequence 41, Application US/08714741
Patent No. 6500613
GENERAL INFORMATION:
APPLICANT: Biles, David E.
APPLICANT: McDaniel, Larry S.
APPLICANT: Swiatlo, Edwin
APPLICANT: Yother, Janet
APPLICANT: Crain, Marilyn J.
APPLICANT: Hollingshead, Susan
APPLICANT: Tarr, Rebecca
APPLICANT: Brooks-Walter, Alexis
TITLE OF INVENTION: PNEUMOCOCCAL GENES, PORTIONS THEREOF,
TITLE OF INVENTION: EXPRESSION PRODUCTS THEREFROM, AND USES OF SUCH GENES,
TITLE OF INVENTION: PORTIONS AND PRODUCTS
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtiss, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/714,741
FILING DATE: 16-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454312-2460
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 1231 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: amino acid
US-08-714-741-41
Query Match 8.2%; Score 275; DB 4; Length 1231;

Best Local Similarity 22.3%; Pred. No. 6.2e-10;
Matches 144; Conservative 94; Mismatches 237; Indels 172; Gaps 24;

[illegible]

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1      MEDIUM TYPE: Floppy disk
2      COMPUTER: IBM PC compatible
3      OPERATING SYSTEM: PC-DOS/MS-DOS
4      SOFTWARE: PatentIn Release #1.0, Version #1.30
5      CURRENT APPLICATION DATA:
6      APPLICATION NUMBER: US/08/714,741
7      FILING DATE: 16-SEP-1996
8      CLASSIFICATION: 435
9      ATTORNEY/AGENT INFORMATION:
10     NAME: Frommer Esq., William S.
11     REGISTRATION NUMBER: 25,506
12     REFERENCE/DOCKET NUMBER: 454312-2460
13     TELECOMMUNICATION INFORMATION:
14     TELEPHONE: (212) 840-9333
15     TELEFAX: (212) 840-0712
16     INFORMATION FOR SEQ ID NO: 32:
17     SEQUENCE CHARACTERISTICS:
18     LENGTH: 8991 amino acids
19     TYPE: amino acid
20     STRANDEDNESS: single
21     TOPOLOGY: linear
22     MOLECULE TYPE: amino acid
23     US-08-714-741-32

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[illegible]

Db 5879 APPETPTKIDIDSDSDYAAKGLAPLOSELDTKAKLLKEISGKIEIDAEIXE 5938
Qy 543 -----SVASAAVAAPSAAAAAV 560
Db 5939 LEVQLDAEGNNVNAEFKGELEKTTAKKAELEKADJLKKVNDDEPTAPAPAPAP 5998
Qy 561 QVAPAPAPVAPALVVPAPAPAAQASAPQOTAPTSAPAVAPPTPTTPAVAOAEVPA 620
Db 5999 APTEAP 6058
Qy 621 -SPATGCPHR 630
Db 6059 PAPAPAPPEK 6069

RESULT 3
US-09-579-181-2
; Sequence 2, Application US/09579181
; Patent No. 6365372
; GENERAL INFORMATION:
; APPLICANT: Chiviva, John
; APPLICANT: Yaciuk, Peter
; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2972
; TYPE: PRT
; ORGANISM: Human
US-09-579-181-2

Query Match 7.5%; Score 252; DB 3; Length 2972;
Best Local Similarity 30.5%; Pred. No. 6.3e-08;
Matches 98; Conservative 34; Mismatches 103; Indels 86; Gaps 15;
Qy 430 STSPVPSTPLLSAHKSTGSRDCSTQTERGTESNKA-AVAPISVP----- 475
Db 1153 SSPMPINSSPLASPVSVSTVSVPLSSLSIPVPTTLPAAPAPLTPISAPLTVASAGPA 1212
Qy 476 -----APVAAA-----TAAIT---ATAITTTTVAAPVAVAV--- 507
Db 1213 LLTSVTPPLAPVVPAPAPPSLOPSGASPSASALTGLATAPSLSSSQTPGHPLLAPTS 1272
Qy 508 -----AAAAAPAAAAPSPATTAATAAVSPAAAGQIPAAASVASAAVAAPSAATAAV 560
Db 1273 SHVPGINSTVAPACSPVLVPASALA-----SPFSPAPNPAPAQ-ASLLAPASSASQALAT 1326
Qy 561 QVAP-AAP-----APVPAPALVVP-----APAAQASAPQOTAPTSAP-----AV 601
Db 1327 PLAPMAAPQTAIILAPSPAPPLAPPLVLAAPSGAAVLAASSQTPVWAPSSSTPGTSLASA 1386
Qy 602 APTEAPTP--TPAVAOAEVAPSPATGCPHRLSIPSLTGNP--DKTDGPFVHNTLERKT 657
Db 1387 SPVPAPTPVLAAPSSQTMPLA-PVPSPLPSPASTOTLALAPLAPTLGGSSPSQTLISLGT 1445
Qy 658 -----PIQILGQEPDAEMV 671
Db 1446 GNPQGPPTQTLSTLPASSLV 1466

RESULT 4
US-09-579-181-1
; Sequence 1, Application US/09579181
; Patent No. 6365372
; GENERAL INFORMATION:
; APPLICANT: Chiviva, John
; APPLICANT: Yaciuk, Peter

; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3118
; TYPE: PRT
; ORGANISM: Human
US-09-579-181-1

Query Match 7.5%; Score 252; DB 3; Length 3118;
Best Local Similarity 30.5%; Pred. No. 6.7e-08;
Matches 98; Conservative 34; Mismatches 103; Indels 86; Gaps 15;
Qy 430 STSPVPSTPLLSAHKSTGSRDCSTQTERGTESNKA-AVAPISVP----- 475
Db 1299 SSPMPINSSPLASPVSVSTVSVPLSSLSIPVPTTLPAAPAPLTPISAPLTVASAGPA 1358
Qy 476 -----APVAAA-----TAAIT---ATAITTTTVAAPVAVAV--- 507
Db 1359 LLTSVTPPLAPVVPAPAPPSLOPSGASPSASALTGLATAPSLSSSQTPGHPLLAPTS 1418
Qy 508 -----AAAAAPAAAAPSPATTAATAAVSPAAAGQIPAAASVASAAVAAPSAATAAV 560
Db 1419 SHVPGINSTVAPACSPVLVPASALA-----SPFSPAPNPAPAQ-ASLLAPASSASQALAT 1472
Qy 561 QVAP-AAP-----APVPAPALVVP-----APAAQASAPQOTAPTSAP-----AV 601
Db 1473 PLAPMAAPQTAIILAPSPAPPLAPPLVLAAPSGAAVLAASSQTPVWAPSSSTPGTSLASA 1532
Qy 602 APTEAPTP--TPAVAOAEVAPSPATGCPHRLSIPSLTGNP--DKTDGPFVHNTLERKT 657
Db 1533 SPVPAPTPVLAAPSSQTMPLA-PVPSPLPSPASTOTLALAPLAPTLGGSSPSQTLISLGT 1591
Qy 658 -----PIQILGQEPDAEMV 671
Db 1592 GNPQGPPTQTLSTLPASSLV 1612

RESULT 5
US-09-252-991A-22853
; Sequence 22853, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22853
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22853

Query Match 7.5%; Score 250.5; DB 4; Length 399;
Best Local Similarity 25.4%; Pred. No. 6.3e-09;
Matches 107; Conservative 42; Mismatches 170; Indels 103; Gaps 13;
Qy 212 BQLEHRLTRLELESURIQOQNCQPTNVSEYNAALMELLREKERLALFADMTK 271
Db 63 QQLSHSL-----VEHLBGACK-----QALVDSKELAKLEKQKQK 97

[illegible]

```

RESULT 6
US-09-538-092-911
; Sequence 911, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Glot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurafateSeqFormatter Version 0.9
; SEQ ID NO 911
; LENGTH: 1020
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P12036
US-09-538-092-911

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Query Match	7.4%;	Score 249;	DB 4;	Length 1020;
Best Local Similarity	20.9%;	Pred. No. 2.6e-08;		
Matches 150;	Conservative 121;	Mismatches 299;	Indels 148;	Gaps 27;

Qy	44	ECCYKVAALQKVETI	IQVSEAYENLVKSSSREALEKMKRLBSEIRRMND	-----	97
Db	85	ECCMVAAVARSSEKELOALNDRFAGYIDKVRDLEAHNS	-----	LEBEAALALQOQAGRS	140
Qy	98	-----FNRLRE	-----RLETANKOLAEKVEGSEPTRTITISQLFAKNSESOREKKE	LE	146
Db	141	AMGELYERKVRREMGAVLRIGAKRGQRLREOEHLLED	-----	IAHVORLDDSEAKOREBAE	196
Qy	147	AEL-ATARSTNEDORRHIEIRDA	-----	LSMAQAQVVKLE	181
Db	197	AAARLARAQGEAEARVLDQKKAQALQEBEGYLRRHHQEBVEGLLQIGSGSAGAQAQM	Q	256	
Qy	182	BEKKQVAVDVKVEKMOALVOLDA-ACEKREQLBHLRLTRLELESLRTIQORQANCP		240	

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Db 257 AE--TR0ALKCDVT$ALRE:RA0LEGHANQ$TL0$EEMF$RDLRL$EAK$VNTD$MR$Q 315
Oy 241 T$VSEYN$AALMELL$REKEERILL$A$----DMTKWEQ$KYLEBN$WRH$PALD$AA$TV$A 295
Db 316 BEITEYR-----RQ0AR$TTELEAL$K$TK$DL$R0$RE$LED--RHQADIAS$VEQAI 364
Oy 296 Q$RTVYI$S$PMT$YD$TAL$EARIQ$E$E$EILL$M$ARK$CLD$E----- 336
Db 365 QO---LDAEL$RNTK$EM$A$Q$R---EYQDILL$V$M$ALD$EIL$A$YR$KLEGE$CRIG$P 417
Oy 337 -----GRITLHAQI--IK$DAMI$VULOQ$RSK$P$TEQ$SC$WR$PAK$S$M$S$N$AG 386
Db 418 I$P$SL$E$G$P$K$I$P$SV$THI$K$V$SE$K$IN$V--E$KE$K$TVI$VE----- 459
Oy 387 S$GLI$S$T$TL$Q$P$PI$E$E$R$D$K$S$G$L$G$IL$G$DYR---AB$V$P$P$S$P$V$P$ST$P$LL 442
Db 460 ---QTE$TQ$TE$VTE$E$E$E$E$K$E$E$E$G$E$K--EG$E$E$E$A$G$E$E$T$K$SP$PA$E$A$S$PEK 514
Oy 443 S$A$S$K$T$G$S$D$C$Q$T$E$R$G$E$S$K$T$A$V$P$IS$V$P$R$V$A$A$A$T$T$A$IT$T$IT$T$V$A$A 502
Db 515 E$A$S$P$V$K$E$A$K$P$A$E$K$S$P$E$K$E$A$S$P$A$E$V$S$P$E$K$A$S$P$K$E$E$K$S$P$E$K$E$A$S 574
Oy 503 P$V$A$V$A---A$A$P$A$A$A$A$P$A$T$A$T$A$T$A$A$V$S$P$A--A$G$QI$P$A$A$S$V$A$A$A$V$P$S$A$A$A 558
Db 575 P$A$E$V$K$S$P$E$K$A$S$P$A$K$E$A$S$P$A$E$A$S$P$E$K$A$S$P$V$K$E$A$K$P$A$E$K---S$P$V$E$E$K$S$P$A 630
Oy 559 A$VQ$V$A$A$P$A$P$A$P$A$V$V$P$A--P$A$A$Q$A$S$A$P$A$Q$T$A$P$S$A$P$A$V$A$P$T$A$P$T$P$A$V$A$Q 616
Db 631 E$V$S$P$E$K$A$S$P$T$E$A$K$S$P$E$K$A$S$P$E$K$E$A$S$P$E$K$A$S$P$V$K$E$A$K$S$P$V$K$E$A$K$S 690
Oy 617 -E$V$P$A$P-----A$T$Q$P$H$R$L$I$P$S$LT$C$M$P$D$T$D$G$V--F$H$S$T$N$L$R--K$T$P$Q$IL$G$Q$E$P$D 667
Db 691 P$E$K$A$K$P$V$E$E$K$S$P$E$K$A$S$P$V$E$E$K$S$P$E$K$A$S$P$V$E$E$K$T$E$B$K$A$S$P$V$E$E$K$S$P$E 748

```

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RESULT 7
US-09-949-016-10828
; Sequence 10828: Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTIER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10828
; LENGTH: 2186
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10828

```

Query Match	7.4%;	Score 246.5;	DB 4;	Length 2186;
Best Local Similarity	20.3%;	Pred. No. 9.9e-08;		
Matches 153;	Conservative 128;	Mismatches 273;	Indels 201;	Gaps 31.

[illegible]

QY 120 -----GSDTRKITSQIFANKKESQREKE---KLEALATARSTNEQRRHIEIRDQ 168
 DB 1179 LVSGQKDPDTEERYKLISEKRVHTKRIQQLTEIGRIKABIAISNA----- 1224
 QY 169 ALSNAQKVVKLBEELKKQVYVDKVEK-MQOALVQOAAECREOLEHRLRLELE 227
 DB 1225 SLTNNQNLISLKEKDLNKVTEKETIQKDAKIIDQEKVKITTVQK-KIGRRYKTYE 1283
 QY 228 SLRIQ-----QROGNCOPTNVS-----EYNAALMELLRE 257
 DB 1284 ELKAOQDKWETSQSSGDHGEQVSVQEMQELKELTNOAETKSLSQVENLQKTLSE 1343
 QY 258 KE-----BRILAEADMTKWEQKYLEENVMRHFALDAATAVAARD-TTVISHSPNTS 309
 DB 1344 KETEARMLQEQTVQLOSELRLROD-LQDRTOEQLRQOITEKEKTRKRAIVAASKIA 1402
 QY 310 YDTALERARQKEBEELIMAN-----KRCIDM-----EGRIKTLHQIIEKDMIK 354
 DB 1403 HLAGVKQOLTKENELKORNGALDOQDELDVRITALKSQYEGRISRLERLREHGE--R 1460
 QY 355 VLQOR-----SRPEKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRD 408
 DB 1461 HLEQRDEPQBSNKVPEQORQI-----TLKTTPA----- 1489
 QY 409 KSMKSGILGIDYRAEYVSTPSVPPTPLLSHASKTGRDCSTQTERGESNKTAA 468
 DB 1490 ---SGERGIASTSD---PPTANIKP--TPVSTPSKV---TAAAMAGNKSTPRAS 1533
 QY 469 VAPISVPAAVAAATAAATTAATITTTWAAAPVAVAAAAPAAAAPAAAPAAATA 527
 DB 1534 IRPWATPATVTPPT---TPTATVMTPTVOESQAMQSEGPVEHVPVFGSTSGSVST 1589
 QY 528 AAVSPAAAGQIPAAASVAAAAPVPSAAAAAQQVAPAPAPVAPAPALVPVAPAPAAQAS 587
 DB 1590 PNVQPSISQPI-----LTVOQOTQATAFVQ-----PTQOSHPOIHPANQELSSNIV 1635
 QY 588 APAQT---QAPTSAPAVAPTPAPPTPAV-----QAQVPAAPATGPGPHR 630
 DB 1636 EVVQSSPVERSTSTAVGTVSATPSSSLPKRTREEEDSTIEASDQVSDTVEMPLPKK 1695
 QY 631 LSIPSLTGNPKDGPVFNHSTLKERKTPIQILQGE 665
 DB 1696 LK---SVTPVGTEEEVAAEESTDGEVETQVYNOD 1726

RESULT 8

US-09-538-092-914
 ; Sequence 914, Application US/09538092
 ; Patent No. 675314
 ; GENERAL INFORMATION:
 ; APPLICANT: Glot, Loic
 ; APPLICANT: Manfield, Traci A.
 ; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
 ; FILE REFERENCE: 15966-542
 ; CURRENT APPLICATION NUMBER: US/09/538,092
 ; CURRENT FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: 60/127,352
 ; PRIOR FILING DATE: 1999-04-01
 ; PRIOR APPLICATION NUMBER: 60/178,965
 ; PRIOR FILING DATE: 2000-02-01
 ; NUMBER OF SEQ ID NOS: 1387
 ; SOFTWARE: CuraPatSeqFormatter Version 0.9
 ; SEQ ID NO 914
 ; LENGTH: 2349
 ; TYPE: prt
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (0)...(0)
 ; OTHER INFORMATION: Polypeptide Accession Number P12270
 US-09-538-092-914

Query Match

7.3%; Score 245.5; DB 4; Length 2349;

Best Local Similarity 20.3%; Pred. No. 1,3e-07;
 Matches 153; Conservative 127; Mismatches 274; Indels 201; Gaps 31;
 QY 24 RAQOQWELLSDERNRLQBLEGCEYEV---ARLQKETEIORVSEAVENLVKSSK---- 76
 DB 1223 RYRQVRELLERLEQLEDSINAEKQVYATKMAQHELMKTEITM-NVMEITNKLRE 1281
 QY 77 -REALKAMR-----NKLEGEIRMHDFNRDLRER--LETANKOLEKEYE----- 119
 DB 1282 EKERLEODLQOMQARKLELDLPLQENAAELSEKSGMLQAEKLLBEDVKKWAKANO 1341
 QY 120 -----GSDTRKITSQIFANKKESQREKE---KLEALATARSTNEQRRHIEIRDQ 168
 DB 1342 LVSGQKDPDTEERYKLISEKRVHTKRIQQLTEIGRIKABIAISNA----- 1387
 QY 169 ALSNAQKVVKLBEELKKQVYVDKVEK-MQOALVQOAAECREOLEHRLRLELE 227
 DB 1388 SLTNNQNLISLKEKDLNKVTEKETIQKDAKIIDQEKVKITTVQK-KIGRRYKTYE 1446
 QY 228 SLRIQ-----QROGNCOPTNVS-----EYNAALMELLRE 257
 DB 1447 ELKAOQDKWETSQSSGDHGEQVSVQEMQELKELTNOAETKSLSQVENLQKTLSE 1506
 QY 258 KE-----BRILAEADMTKWEQKYLEENVMRHFALDAATAVAARD-TTVISHSPNTS 309
 DB 1507 KETEARMLQEQTVQLOSELRLROD-LQDRTOEQLRQOITEKEKTRKRAIVAASKIA 1565
 QY 310 YDTALERARQKEBEELIMAN-----KRCIDM-----EGRIKTLHQIIEKDMIK 354
 DB 1566 HLAGVKQOLTKENELKORNGALDOQDELDVRITALKSQYEGRISRLERLREHGE--R 1623
 QY 355 VLQOR-----SRPEKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRD 408
 DB 1624 HLEQRDEPQBSNKVPEQORQI-----TLKTTPA----- 1652
 QY 409 KSMKSGILGIDYRAEYVSTPSVPPTPLLSHASKTGRDCSTQTERGESNKTAA 468
 DB 1653 ---SGERGIASTSD---PPTANIKP--TPVSTPSKV---TAAAMAGNKSTPRAS 1696
 QY 469 VAPISVPAAVAAATAAATTAATITTTWAAAPVAVAAAAPAAAAPAAAPAAATA 527
 DB 1697 IRPWATPATVTPPT---TPTATVMTPTVOESQAMQSEGPVEHVPVFGSTSGSVST 1752
 QY 528 AAVSPAAAGQIPAAASVAAAAPVPSAAAAAQQVAPAPAPVAPAPALVPVAPAPAAQAS 587
 DB 1753 PNVQPSISQPI-----LTVOQOTQATAFVQ-----PTQOSHPOIHPANQELSSNIV 1798
 QY 588 APAQT---QAPTSAPAVAPTPAPPTPAV-----QAQVPAAPATGPGPHR 630
 DB 1799 EVVQSSPVERSTSTAVGTVSATPSSSLPKRTREEEDSTIEASDQVSDTVEMPLPKK 1858
 QY 631 LSIPSLTGNPKDGPVFNHSTLKERKTPIQILQGE 665
 DB 1859 LK---SVTPVGTEEEVAAEESTDGEVETQVYNOD 1889

RESULT 9

US-09-103-429A-4
 ; Sequence 4, Application US/09103429A
 ; Patent No. 6187558
 ; GENERAL INFORMATION:
 ; APPLICANT: Granados, Robert R
 ; APPLICANT: Wang, Ping
 ; TITLE OF INVENTION: A No. 6187558e1 Invertebrate Intestinal Mucin
 ; TITLE OF INVENTION: CDNA and Related Products and Methods
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Brown, Rhinisi & Michaels, P.C.
 ; STREET: 118 No. 6187558th Tioaga
 ; CITY: Ithaca
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 14850

```

? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/103,429A
? FILING DATE: 24 JUN-1998
? CLASSIFICATION: 800
? ATTORNEY/AGENT INFORMATION:
? NAME: Michaels, Christopher A
? REGISTRATION NUMBER: 34,390
? REFERENCE/DOCKET NUMBER: BTI-39
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (607) 256-2000
? TELEFAX: (607) 256-3628
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 805 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? HYPOTHEetical: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Trichoplusia ni
? TISSUE TYPE: peritrophic membrane
? JS-09-103-429A-4

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	Query Match	7.1%; Score 237.5; DB 3;	Length 805;
	Best Local Similarity	28.9%, Pred. No.1.le-07;	
	Matches 90; Conservative 21; Mismatches 107; Indels 93; Gaps 13		
QY	427 YVPSTP---SPVPSPTP-----LLSAH\$KTGSDDC-----STON	457	
Dd	404 YCFEPFIEWEPLPNGCPADFSDIHLPHESDCGQYLQCCHGQLTAPPCRNLFHSPILOS	463	
QY	458 -----ERGTSNKTAVAVEISVPAPVAAAATAAITATAITI---TTTVAAAA	502	
Dd	464 CESPVTAGCCQVFECDSDNQCTSTAAPTAAFTAAFTAAPAASVTVPATPATATA	523	
QY	503 FVAVAAA---AAPAAMASPATA--ATAAVSPAAGQPAAA-----SVAS	546	
Dd	524 EVPEPTTAIPTPAAPTAAFTAAPTAAESPPTTVTVPETAA---PTAAPTTAVEIPITVS	580	
QY	547 AAAVASPAAAAAAAAAVVAPAAPAP-----VPAP-ALVGVAPAPAAQAABA	588	
Dd	581 APTAAFTAAPAFTAAPTAAFTTAVELPITYTSPTTAAPTTAAAPENTTVTPPTAAATTGA	640	
QY	589 PAQGTAPTSAPAVADPTPA-----PRTPPAVAAQEAVSAPATGPG-HRLSI\$SL	636	
Dd	641 PAPRTTVTAPAPTAAPTAAAPANTTVTVPTPAFTAAPTVAHPNTTAAPTTTISAAPAT	700	
QY	637 TCNPDKTDGPV	647	
Dd	701 TPEDDDIDPPL	711	

RESULT 10
 US-09-294-663-4
 ; Sequence 4: Application US/09294663
 ; Patent No. 6765127
 ; GENERAL INFORMATION:
 ; APPLICANT: Granados, Robert R
 ; APPLICANT: Wang, Ping
 ; TITLE OF INVENTION: A No. 6765127el Invertebrate Intestinal Mucin
 ; TITLE OF INVENTION: CDNA and Related Products and Methods
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Brown, Finnisi & Michaels, P.C.
 ; STREET: 118 No. 6765127th Tioyga Street
 ; CITY: Ithaca

STATE: NY
COUNTRY: USA
ZIP: 14850
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/254,663
FILING DATE: 19-APR-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/103,429
FILING DATE: 24-JUN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Michaels, Christopher A
REGISTRATION NUMBER: 34,390
REFERENCE/DOCKET NUMBER: BTI-39-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (607) 256-2000
TELEFAX: (607) 256-3628
INFORMATION FOR SEQ. ID NO.: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 807 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEetical: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: trichoplusia ni
TISSUE TYPE: peritrophic membrane
US-09-294-663-4

	Query Match	7.1%	Score 237.5;	DB 4,	Length 807;
	Best Local Similarity	28.9%;	Pred. No. 1.1e-07;		
	Matches	90;	Conservative	21;	Mismatches 107; Indels 93; Gaps 13;
QY	427 YVPSNP--SPVPSTP-----LLSAKSGSDC-----SPQT	457			
Dd	406 YCTEIEEMEP.LPNCCPADFSIDHLLPHESDCCOYLQCCHGQTARPCGNLHESPATQS	465			
QY	458 -----ERCTSENKTAAVAPISVPAVVAATAAATATATATI---TTTMAAA	502			
Dd	466 CESPVTAGCOVFECDSNDQCTSTAAPAATAPTAAPTAAPTAAPSTVPEATBPANNA	525			
QY	503 PAAVAAA---AAPAAAAASPATA---APAAVASPAAGQIPAAA-----SVAS	546			
Dd	526 PVPPPTALPTPPPLPAAPTAAPTAAPTAAPESPTTVTPPETAA---PTAAPTTAVEIPIITVS	582			
QY	547 AAAVAPSAAAAAOVAPAAPAP-----VPAP-ALVPVPAPAAQAOSA	588			
Dd	583 ATTAAPTAAPIRAAPTAAPTAVPEBIPITVTSSEPTAAPTAAPAAENPVTTVTPETAPTTAA	642			
QY	589 PAQOTAPTSADAPVAPTPA-----PTPTPAVAQAEEVSPATGPGR-HRLSIFSL	636			
Dd	643 PAPNTTVPAPTAAPTAAAPANTVTVTPETAAPTAAPTVAHAENVNTAAAPVTTTSAPAT	702			
QY	637 TGNPKXIDGIV 647				
Dd	703 TPEDDDIDPPL 713				

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RESULT 11
US-09-103-429A-3
; Sequence 3, Application US/09103429A
; Patent No. 6187558
; GENERAL INFORMATION:
; APPLICANT: Granados, Robert R
; APPLICANT: Wang, Ping
TITLE OF INVENTION: A No. 6187558el Invertebrate Intestinal Mucin

```

TITLE OF INVENTION: cDNA and Related Products and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Pimisi & Michaels, P.C.
STREET: 118 No. 6187558th Tioga
CITY: Ithaca
STATE: NY
COUNTRY: USA
ZIP: 14850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/103,429A
FILING DATE: 24-JUN-1998
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Michaels, Christopher A
REGISTRATION NUMBER: 34,390
REFERENCE/DOCKET NUMBER: BTI-39
TELECOMMUNICATION INFORMATION:
TELEPHONE: (607) 256-2000
TELEFAX: (607) 256-3628
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 786 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Trichoplusia ni
TISSUE TYPE: peritrophic membrane
US-09-103-429A-3

Query Match 7.0%; Score 235; DB 3; Length 786;
Best Local Similarity 30.0%; Pred. No. 1.6e-07;
Matches 90; Conservative 20; Mismatches 100; Indels 90; Gaps 14;
QY 427 YVPSTP---SPVPSTP-----LSAHSKTSGRDC-----STQT 457
DB 404 YCPTEPIEMBLPNCPADFSIDHLLPHESDCGYLCVHGQTARPCGNLHFSPTQS 463
QY 458 -----ERGTESNKTAAVAPISVPAPVAAAATAATTAATI---TTMVAAA 502
DB 464 CESPTAGCQVFECDSDQCTSTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 523
QY 503 PVAVAAA---AAPAAAAAASPATAA---ATAAASPAAAGQIPAAA-----SVAS 546
DB 524 PVPPTTALPTAPPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 580
QY 547 AAAVAASAAAAAAGVAPAAPAP-----VPAP-ALVVPAPAAAAQASA 588
DB 581 APTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 640
QY 589 PAQOAPTSAPAVAPPTAPPTAPPAVAAQ-EPVAPSPATGPGHRLSPSLTCNPKDTPGV 647
DB 641 PAPTNTTVPPTAAPTAAP---PTVAHAAPNTTAAAPT---TTSAPATTPEDDDIDPPL 692

RESULT 12
US-09-294-663-3
Sequence 3, Application US/09294663
Patent No. 6765127
GENERAL INFORMATION:
APPLICANT: Granados, Robert R
APPLICANT: Wang, Ping
TITLE OF INVENTION: A No. 6765127el Invertebrate Intestinal Mucin
TITLE OF INVENTION: cDNA and Related Products and Methods

NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Pimisi & Michaels, P.C.
STREET: 118 No. 6765127th Tioga Street
CITY: Ithaca
STATE: NY
COUNTRY: USA
ZIP: 14850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,663
FILING DATE: 19-APR-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/103,429
FILING DATE: 24-JUN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Michaels, Christopher A
REGISTRATION NUMBER: 34,390
REFERENCE/DOCKET NUMBER: BTI-39-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (607) 256-2000
TELEFAX: (607) 256-3628
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 788 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Trichoplusia ni
TISSUE TYPE: peritrophic membrane
US-09-294-663-3

Query Match 7.0%; Score 235; DB 4; Length 788;
Best Local Similarity 30.0%; Pred. No. 1.6e-07;
Matches 90; Conservative 20; Mismatches 100; Indels 90; Gaps 14;
QY 427 YVPSTP---SPVPSTP-----LSAHSKTSGRDC-----STQT 457
DB 406 YCPTEPIEMBLPNCPADFSIDHLLPHESDCGYLCVHGQTARPCGNLHFSPTQS 465
QY 458 -----ERGTESNKTAAVAPISVPAPVAAAATAATTAATI---TTMVAAA 502
DB 466 CESPTAGCQVFECDSDQCTSTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 525
QY 503 PVAVAAA---AAPAAAAAASPATAA---ATAAASPAAAGQIPAAA-----SVAS 546
DB 526 PVPPTTALPTAPPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 582
QY 547 AAAVAASAAAAAAGVAPAAPAP-----VPAP-ALVVPAPAAAAQASA 588
DB 583 APTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAAPTAA 642
QY 589 PAQOAPTSAPAVAPPTAPPTAPPAVAAQ-EPVAPSPATGPGHRLSPSLTCNPKDTPGV 647
DB 643 PAPTNTTVPPTAAPTAAP---PTVAHAAPNTTAAAPT---TTSAPATTPEDDDIDPPL 694

RESULT 13
US-09-688-188B-15
Sequence 15, Application US/09688188B
Patent No. 6656716
GENERAL INFORMATION:
APPLICANT: PLOWMAN, GREGORY
APPLICANT: MARTINEZ, RICARDO

```

; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0328
; CURRENT APPLICATION NUMBER: US/09/688,1888
; CURRENT FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 09/291,417
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 1326
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-688-1888-15

Query Match
Best Local Similarity 7.0%; Score 234.5; DB 4; Length 1326;
Matches 129; Conservative 99; Mismatches 237; Indels 129; Gaps 24;

QY 68 ENLVKSSKR-EALAKMRNKLGEIRMDFNRLRERLETANKOLAEYEGSEDTK 126
DB 247 EQLKFPFIRDPQTERQVRIQDKHID-----RSKKRGEKETETEYEGSSE--- 294
QY 127 TISQLFANKKESQREKLEAEIATARSTNEDQRHIEIRDOALSNAQAVVLEELK 186
DB 295 -----EDSHGEEGEPSSIMNVPGESTLRREFLRLOQENKNSSEA--LKQOQOQ 343
QY 187 KQVYDVKEKMOQALVQLAACERKQLEHRLTRLERELESRLIOQRCNQPTNVSEY 246
DB 344 QQ-QRDPBAHKLHLHQRRIEQRERRRVEEQRRERQKLOEKE---QQRLEED- 398
QY 247 NAAALMEILREKEERILAEADMTKWEOKYLEENVMHFLDAATVAQRTTVISHP 306
DB 399 -----MQALRREERERQA-----EREQVIRHRLLEE-----QRQLEI----- 431
QY 307 NTSYDTLAEARIQKEEELIMANKRCLDMEGRIKTLHAQIIEKDAMIKVLQQRSRKPEPK 366
DB 432 -----LQOQLLOEQALLLEYKRLQLEORQSERLQROLOQHAYLKSLOOQOQOQO 484
QY 367 TEOLSCMRPAKSLMSISNAGSGLSHSSTLTGSPIMEEKDDKSWKSGIILLGDYRAE 426
DB 485 KQOQOQOQLPG-DKRPVLYHGRGNMPADKAMAREVEERTMNNQONSPLAKSKPGSTGE 543
QY 427 YVPSTP--SPVPEPTPLSAHSKTSRDCSTQTERGTSNKTAAPVAPISVPAAATA 484
DB 544 --PPIQASFGPPG-PL-----SQTTPMQRPVEQEGPHKSLVAHVPLK---PYAAPVR 593
QY 485 AAITATATITTTTWWAAPVAVAAAAAPAAAPSPATAATAAASVSPAAGQIPAAASV 544
DB 594 ---SGLSDQDPTRLALAF-----ASHDPDAIPAPTA---TSSARGAIVRONSD 637
QY 545 ASAAAVAPSAASAAAAVQVAPAPAPVP--APALVVPVAPAAQAQAPQTOAPTSAPAVA 602
DB 638 PTSEGPSPSPVPAPVAPVDPNEAPPVKVPQRTSIALALNTSGAGSRPAQ-----AVR 689
QY 603 PTPAP-----TTPPAVAQAEVPASATGPGPHRLISPLTICND 641
DB 690 ARPRNSAMQIYLQRRARERTPKP-----FGPPAQPPGP-----PNASSND 731

RESULT 14
US-09-291-417D-15
; Sequence 15, Application US/09291417D
; Patent No. 6680170
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0329
; CURRENT APPLICATION NUMBER: US/09/291,417D
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; CURRENT FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 1326
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-291-417D-15

Query Match
Best Local Similarity 7.0%; Score 234.5; DB 4; Length 1326;
Matches 129; Conservative 99; Mismatches 237; Indels 129; Gaps 24;

QY 68 ENLVKSSKR-EALAKMRNKLGEIRMDFNRLRERLETANKOLAEYEGSEDTK 126
DB 247 EQLKFPFIRDPQTERQVRIQDKHID-----RSKKRGEKETETEYEGSSE--- 294
QY 127 TISQLFANKKESQREKLEAEIATARSTNEDQRHIEIRDOALSNAQAVVLEELK 186
DB 295 -----EDSHGEEGEPSSIMNVPGESTLRREFLRLOQENKNSSEA--LKQOQOQ 343
QY 187 KQVYDVKEKMOQALVQLAACERKQLEHRLTRLERELESRLIOQRCNQPTNVSEY 246
DB 344 QQ-QRDPBAHKLHLHQRRIEQRERRRVEEQRRERQKLOEKE---QQRLEED- 398
QY 247 NAAALMEILREKEERILAEADMTKWEOKYLEENVMHFLDAATVAQRTTVISHP 306
DB 399 -----MQALRREERERQA-----EREQVIRHRLLEE-----QRQLEI----- 431
QY 307 NTSYDTLAEARIQKEEELIMANKRCLDMEGRIKTLHAQIIEKDAMIKVLQQRSRKPEPK 366
DB 432 -----LQOQLLOEQALLLEYKRLQLEORQSERLQROLOQHAYLKSLOOQOQOQO 484
QY 367 TEOLSCMRPAKSLMSISNAGSGLSHSSTLTGSPIMEEKDDKSWKSGIILLGDYRAE 426
DB 485 KQOQOQOQLPG-DKRPVLYHGRGNMPADKAMAREVEERTMNNQONSPLAKSKPGSTGE 543
QY 427 YVPSTP--SPVPEPTPLSAHSKTSRDCSTQTERGTSNKTAAPVAPISVPAAATA 484
DB 544 --PPIQASFGPPG-PL-----SQTTPMQRPVEQEGPHKSLVAHVPLK---PYAAPVR 593
QY 485 AAITATATITTTTWWAAPVAVAAAAAPAAAPSPATAATAAASVSPAAGQIPAAASV 544
DB 594 ---SGLSDQDPTRLALAF-----ASHDPDAIPAPTA---TSSARGAIVRONSD 637
QY 545 ASAAAVAPSAASAAAAVQVAPAPAPVP--APALVVPVAPAAQAQAPQTOAPTSAPAVA 602
DB 638 PTSEGPSPSPVPAPVAPVDPNEAPPVKVPQRTSIALALNTSGAGSRPAQ-----AVR 689
QY 603 PTPAP-----TTPPAVAQAEVPASATGPGPHRLISPLTICND 641
DB 690 ARPRNSAMQIYLQRRARERTPKP-----FGPPAQPPGP-----PNASSND 731

RESULT 15
US-09-252-991A-32957
; Sequence 32957, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196,136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32957
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LENGTH: 316
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32957

Query Match 6.9%; Score 231; DB 4; Length 316;

Best Local Similarity 29.2%; Pred. No. 9.3e-08; Matches 107; Conservative 29; Mismatches 129; Indels 102; Gaps 15;

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QY 302 ISHSPTSYDTALEARIQKEEEIIMANKRCLDMEGRIKTLHAQI-----IKKDA 351
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Db 6 VSREPNESESMAGKKSEKESWT-----GEIEKYSRQIWLGLGAYSKVSGDG 54
QY 352 MIKYLQQRSRKPEPSKTEQLSCMRPAKSLMSISNAGSLHSSTLTGSPIMEKRD---- 407
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 55 --SKLPETLVDCGEKAE-----KEAKSDVDAQVGAAKASARSASKSV-DEVDRALG 103
QY 408 -----DKSWKSGILGIDYRAEYVPTSPVPPTPLLSAHSKTGSRDCSTQTE 458
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 104 KMSLEEAFFDRRLNSAISRL-----GVPSRNEVKEIHSKVDL--LTKQIE 146
QY 459 RGT-----ESNKTAAVAPISVPAPVAAAATAATATATITTT 497
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 147 KLTGVSVKPAKAAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPA 203
QY 498 MVAAPVAVAAAAAPAAAAAPSPATAATTAAVSPAAGQIPAAASVASAAVAPSAAP 557
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Db 204 KTAAPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPAKPA 260
QY 558 AAVQVAPAPAPVAPALVPAPAPAAQASAPAOQTQAPTSAPAVAPPTPTPAVQAQ 617
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Db 261 A---KPAKKKPA---AKKPAKPAKPAKPA---ASSSAPA---APAAITPAASAPAPAN 307
QY 618 VPASPAT 624
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Db 308 APATPSS 314
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Job time : 37.0073 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 10, 2005, 10:07:37 ; Search time 146.883 Seconds
(without alignments)
1501.577 Million cell updates/sec

Title: US-09-332-063-2

Perfect score: 1 MPPAPSSASYQVPADPFA.....KTPILIGREPDAMVEYLI 675

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1376875 seqs, 32679119 residues

Total number of hits satisfying chosen parameters: 1376875

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

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7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

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9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

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13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US10D_NEW_PUB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3347	100.0	675	16	US-10-720-273-2
2	3325	99.3	675	16	US-10-720-273-3
3	1447	43.2	608	14	US-10-204-887-87
4	1400	41.8	882	14	US-10-298-417-2
5	1090.5	32.6	772	14	US-10-298-417-4
6	1037	31.0	467	15	US-10-094-466-52
7	663	19.8	143	16	US-10-720-273-4
8	280.5	8.4	1259	14	US-10-260-715-8
9	278	8.3	208	9	US-09-864-761-36456
10	275	8.2	2701	14	US-10-171-311-83
11	265.5	7.9	2846	14	US-10-184-644-169
12	265.5	7.9	2846	14	US-10-184-634-169
13	265.5	7.9	2846	14	US-10-063-685-37

14	264.5	7.9	2773	14	US-10-184-644-149	Sequence 149, App
15	264.5	7.9	2773	14	US-10-184-634-149	Sequence 149, App
16	264.5	7.9	2773	14	US-10-063-685-33	Sequence 33, Appl
17	263.5	7.9	1965	15	US-10-369-493-3279	Sequence 3279, Ap
18	258	7.7	980	14	US-10-029-386-33686	Sequence 33686, A
19	258	7.7	1427	15	US-10-363-616-461	Sequence 461, App
20	258	7.7	4640	14	US-10-184-644-75	Sequence 75, Appl
21	258	7.7	4640	14	US-10-184-634-75	Sequence 75, Appl
22	256.5	7.7	1904	14	US-10-123-155-99	Sequence 99, Appl
23	256.5	7.7	1904	14	US-10-146-731-99	Sequence 99, Appl
24	256.5	7.7	1904	14	US-10-140-472-99	Sequence 99, Appl
25	256.5	7.7	1904	14	US-10-141-761-99	Sequence 99, Appl
26	256.5	7.7	1904	14	US-10-142-885-99	Sequence 99, Appl
27	256.5	7.7	1904	14	US-10-158-790-99	Sequence 99, Appl
28	256.5	7.7	1904	14	US-10-137-871-99	Sequence 99, Appl
29	256.5	7.7	1904	15	US-10-140-923-99	Sequence 99, Appl
30	256.5	7.7	1904	15	US-10-141-756-99	Sequence 99, Appl
31	256.5	7.7	1904	15	US-10-141-759-99	Sequence 99, Appl
32	256.5	7.7	1904	15	US-10-140-805-99	Sequence 99, Appl
33	256.5	7.7	1904	15	US-10-140-864-99	Sequence 99, Appl
34	256.5	7.7	1904	15	US-10-142-426-99	Sequence 99, Appl
35	253	7.6	298	16	US-10-437-963-170541	Sequence 170541, Ap
36	253	7.6	1480	16	US-10-408-765A-2239	Sequence 2239, Ap
37	252	7.5	2971	14	US-10-146-473-50	Sequence 50, Appl
38	252	7.5	3501	14	US-10-123-155-37	Sequence 37, Appl
39	252	7.5	3501	14	US-10-146-731-37	Sequence 37, Appl
40	252	7.5	3501	14	US-10-140-672-37	Sequence 37, Appl
41	252	7.5	3501	14	US-10-141-761-37	Sequence 37, Appl
42	252	7.5	3501	14	US-10-142-885-37	Sequence 37, Appl
43	252	7.5	3501	14	US-10-158-790-37	Sequence 37, Appl
44	252	7.5	3501	15	US-10-137-871-37	Sequence 37, Appl
45	252	7.5	3501	15	US-10-140-923-37	Sequence 37, Appl

ALIGNMENTS

RESULT 1

US-10-720-273-2

Sequence 2, Application US/10720273

Publication No. US20040141978A1

GENERAL INFORMATION:

APPLICANT: HOLLGREN, Lars

APPLICANT: TROYANOVSKY, Boris

TITLE OF INVENTION: ANGIOGENESIS RELATED MOLECULES

FILE REFERENCE: 0552-0154P

CURRENT APPLICATION NUMBER: US/10/720, 273

CURRENT FILING DATE: 2003-11-25

PRIOR APPLICATION NUMBER: US 09/332,063

PRIOR FILING DATE: 1999-06-14

PRIOR APPLICATION NUMBER: 60/114,386

PRIOR FILING DATE: 1998-12-29

PRIOR APPLICATION NUMBER: 60/089,266

PRIOR FILING DATE: 1998-06-15

PRIOR APPLICATION NUMBER: SE9804372-2

PRIOR FILING DATE: 1998-12-17

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 675

TYPE: PRT

ORGANISM: Homo sapiens

US-10-720-273-2

Query Match

Best Local Similarity 100.0%; Score 3347; DB 16; Length 675;

Pred. No. 1.4e-169;

Matches 675; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 QVSEAYENLVSSSKREALFKAMENKLEGEIRRHDFNRDRLERLETANKOLAEKEYEG 120


```
APPLICANT: AMSEY, Stefan
APPLICANT: DAHL, Christopher R.
APPLICANT: DAM, Tam C.
APPLICANT: DANIELS, Susan E.
APPLICANT: DUFOUR, Gerard E.
APPLICANT: FLORES, Vincent
APPLICANT: FONG, Willy T.
APPLICANT: GREENMALT, Lila B.
APPLICANT: HILLMAN, Jennifer L.
APPLICANT: JONES, Anissa L.
APPLICANT: LIU, Tommy F.
APPLICANT: ROSEBERRY, Ann M.
APPLICANT: ROSEN, Bruce H.
APPLICANT: RUSSO, Frank D.
APPLICANT: STOCKREHER, Theresa K.
APPLICANT: DAFFO, Abel
APPLICANT: WRIGHT, Rachel J.
APPLICANT: YAP, Pierre E.
APPLICANT: YU, Jimmy Y.
APPLICANT: BRADLEY, Diana L.
APPLICANT: BRATCHER, Shawn R.
APPLICANT: CHEN, Wensheng
APPLICANT: COHEN, Howard J.
APPLICANT: HODGSON, David M.
APPLICANT: LINCOLN, Stephen E.
TITLE OF INVENTION: SECRETORY MOLECULES
FILE REFERENCE: PT-1134 PCT
CURRENT APPLICATION NUMBER: US/10/204,987
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: 60/185,215; 60/185,216; 60/205,232; 60/205,323; 60/205,287;
60/205,324; 60/205,286
PRIOR FILING DATE: 2000-02-24; 2000-02-24; 2000-05-16; 2000-05-17; 2000-05-17;
2000-05-17; 2000-05-17
NUMBER OF SEQ ID NOS: 159
SOFTWARE: PERL Program
SEQ ID NO: 87
LENGTH: 608
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030124569A1 LI:212029.1.orf2:2000PEB01
FEATURE:
NAME/KEY: unsure
LOCATION: 18, 388
OTHER INFORMATION: unknown or other
US-10-204-887-87

Query Match 43.2%; Score 1447; DB 14; Length 608;
Best Local Similarity 62.1%; Pred. No. 7, 6e-69;
Matches 293; Conservative 79; Mismatches 84; Indels 16; Gaps 6;

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DB RISEAYESLVKSTTRRESLDKAMRNKLEGEIRRLHDPNRLDERLETANKOLAKEYEGS 189
QY 122 EPTRTITQLPAKNKESQREKLELAETASTNEDORRHIEIRDOALSNAQAKYKLE 181
DB ED-KAABGHVYASQNKKEFLKEKEKLEWELAAVRTASSEDHRRHIEILDQALSNQARVIXLE 248
QY 182 EELKKROYVVDVKKQOALVOLQAACEKREOLEHRLTRLRRELESRLIOOROGNCOPT 241
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QY 242 NVSEYNAALMELLEKEKERILLAEADMTKWEQKYLEENVNRHFDALDAATAVAORDTTV 301
DB NMPEYAPALLBELVNEKERILLAEADMTKWEQKYLEESTIRHFNANNAATAAERDTTI 368
QY 302 IHSPTSY-DTALFARIQKEBEETIMANKRCIDMEGRITKTLHAQIIEKDAMIKVLQNS 360
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QY 361 RKEBSKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRDKMSGLTLLG 420
DB RKGAGTDS-SSLRPAVSPIA-AATGHSRQTSLSQLAEKKEKTKWSIGLLG 486
QY 421 GDVRAEYVPSPPSPPL-----SAHSKTGSRDSCSTOTERGTE 462
DB 487 KEHHEH--ASAPLLPPTGALSIASTTAASGHAATGSKDSSTOTDKSAE 536

RESULT 4
US-10-298-417-2
Sequence 2, Application US/10298417
Publication No. US20030124603A1
GENERAL INFORMATION:
APPLICANT: Miyuki Nishimura
APPLICANT: Mayumi Asano
APPLICANT: Yutchi Ono
APPLICANT: Koji Morimoto
APPLICANT: Masakazu Takeuchi
APPLICANT: Yoko Inoue
APPLICANT: Toshio Imai
APPLICANT: Yoshimi Takai
TITLE OF INVENTION: Exocrine gland tight junction-constituting protein JEAP family
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/298,417
CURRENT FILING DATE: 2003-01-22
PRIOR APPLICATION NUMBER: JP 2001-352241
PRIOR FILING DATE: 2001-11-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 2
LENGTH: 882
TYPE: PRT
ORGANISM: Mus musculus
US-10-298-417-2

Query Match 41.8%; Score 1400; DB 14; Length 882;
Best Local Similarity 58.2%; Pred. No. 3, 6e-66;
Matches 299; Conservative 80; Mismatches 103; Indels 32; Gaps 11;

QY 1 MPRAOP-SSASYOPVPPDP-----FAIVSRAOQOMVILSDENRNILROELGEGCYEKA 51
DB LPLPLPISLASQPLPASPNQQLGPDPAFIVERAOQOMVILTEENRVLHQLGQTYDNDAD 392
QY 52 RLOKVEYEQVSEAYENLVKSSSKREALKEMRNKLEGEIRRMHDPNRLDERLETANK 111
DB KLHKEKEKLOSISEAYESLVKSTTRRESLDKAMRNKLEGEIRRLHDPNRLDERLETANK 452
QY 112 QLAKEYGSESDTRKTTISQLPFAKNKESQREKLELAETASTNEDORRHIEIRDOALS 171
DB QLSREYDGHED-KAABGHVYASQNKKEFLKEKEKLEWELAAVRTASSEDHRRHIEILDQALS 511
QY 172 NQAQVVLLEELKQYVVDVKKQOALVOLQAACEKREOLEHRLTRLRRELESRLI 231
DB NQAQVVLLEELKQYVVDVKKQOALVOLQAAQACKEKREOLEHRLTRLRRELESRLI 571
QY 512 NQAQVVLLEELKQYVVDVKKQOALVOLQAAQACKEKREOLEHRLTRLRRELESRLI 571
DB NQAQVVLLEELKQYVVDVKKQOALVOLQAAQACKEKREOLEHRLTRLRRELESRLI 571
QY 232 QOROGNCOPTNVSEYNAALMELLEKEKERILLAEADMTKWEQKYLEENVNRHFDALDA 291
DB QOKAGTGPVSLPEGNAPALMELVNEKERILLAEADMTKWEQKYLEESTIRHFNANNAATA 631
QY 572 QOKAGTGPVSLPEGNAPALMELVNEKERILLAEADMTKWEQKYLEESTIRHFNANNAATA 631
DB TVAAQRTTVIHSPTSY-DTALFARIQKEBEETIMANKRCIDMEGRITKTLHAQIIEKD 350
QY 632 AATAERDTTISNHSRNGSYGESSLEAHIMWEEBEVQANRRCODMETITKNLAKIIEKD 691
DB AMIKVLQNSRKEBSKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRDK- 409
QY 692 AMIKVLQNSRKEBSKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRDK- 409
DB AMIKVLQNSRKEBSKTEQLSCMRPAKSLMSISNAGSLSHSSTLTGSPIMEKRDK- 409
QY 410 SWKSLGILIG-----GDVRAEYVPSPPS---PVPSPTLLSA-HSKTGSRDSCSTOTERG 461
```

Db 750 TWKSGIGPLGKEHOGQASAPLPTTPPASALSLPASTTSASSTHAKTSGKDSSTQTDKST 809

Qy 462 E-----SNKTAAVAPISVPAPVAAATAA 485

Db 810 ELFWPSMASLPSRGRSLSTAPSNSPILKHPAAKGA 843

RESULT 5

US-10-298-417-4

Sequence 4, Application US/10298417

Publication No. US20030124603A1

GENERAL INFORMATION:

APPLICANT: Miyuki Nishimura

APPLICANT: Mayumi Asano

APPLICANT: Yuichi Ono

APPLICANT: Koji Morimoto

APPLICANT: Masakazu Takeuchi

APPLICANT: Yoko Inoue

APPLICANT: Toshio Imai

APPLICANT: Yoshimi Takai

TITLE OF INVENTION: Exocrine gland tight junction-constituting protein U2AP family

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/10/298,417

CURRENT FILING DATE: 2003-01-22

PRIOR APPLICATION NUMBER: JP 2001-352241

PRIOR FILING DATE: 2001-11-16

NUMBER OF SEQ ID NOS: 10

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 4

LENGTH: 772

TYPE: PRT

ORGANISM: Mus musculus

US-10-298-417-4

Query Match 32.6%; Score 1090.5; DB 14; Length 772;

Best Local Similarity 50.4%; Pred. No. 8.2e-50;

Matches 244; Conservative 71; Mismatches 118; Indels 51; Gaps 9;

Qy 6 PSSASYQYPADPPAIV-----SBAQOMTEILSD-----ENRRLRBELEGCEYKVARLQK 55

Db 284 PSSFPAPVAGPPSAQATLGSALHQAQMETVLRNARLQDRNRLQRELESTSEKARIRK 343

Qy 56 VETELQVSEAYENLVKSSSKREALEKAMRNKLEGEIRRMHNDRLRRELEFANQOLAE 115

Db 344 LENEIQRSEAHESLMRTSSKREALEKTMKNKMGEMKRLQDNRRLRRELEFANQOLAE 403

Qy 116 KEYEGSEDTKRTISQLFAKNKESQREKEKLEAEIATARSTNEDQRRHIEIRDOALSNAQA 175

Db 404 KQGEAQAGSQDMVAKLLAQSYEQQCEKLEREMALLRGAIEDQRHAEILRQALGNAQS 463

Qy 176 KVVKLBEELKKQVYVDYKVKMOQALVOQAACEKQLEHLRRTLERLESLRTOQRO 235

Db 464 RAARAEBEELRKQAYVEKVERLQALGOQAACEKQLEHLRRTLERLESLRTOQRO 523

Qy 236 -----GNCQPTNVSEYNAALMELREKEERILALEADMTKWEOKYLEENVRHFLDA 289

Db 524 TGTLAGGGSGHGSALSLRLSEQRKEQOILALEADMTKWEOKYLEERAMRQFAMDA 583

Qy 290 AATVAAGRDITVISHSPNTSYDTALBARIQKEEBEILMANRCLDMEGRITKLHAQITIK 349

Db 584 AATVAAGRDITVISHSPNTSYDTALBARIQKEEBEILMANRCLDMEGRITKLHAQITIK 349

Qy 350 DAMIKTLQORSRKEPEKTEQLSCMRPAKSLMSISNAGSLSHSITLTSPIWEEKRDXK 409

Db 637 DAVIKTLQORSRKEPEKTEQLSCMRPAKSLMSISNAGSLSHSITLTSPIWEEKRDXK 409

Qy 410 SKKSGILGIGBYRABVYPS---TPSPVPSTPLLSAHSKTGRSDCSITOTEGTESNKT 466

Db 677 GNGG---LVSSERQTDARPADGRVPAEPPATAPLPAHTKSGSRDSTQTD -GPADNTS 731

Qy 467 AAVA 470

Db 732 ACLA 735

RESULT 6

US-10-094-466-52

Sequence 52, Application US/10094466

Publication No. US20030203363A1

GENERAL INFORMATION:

APPLICANT: Spytek et al.

TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM

TITLE OF INVENTION: AND METHODS OF USING

FILE REFERENCE: 21402-290D

CURRENT APPLICATION NUMBER: US/10/094,466

CURRENT FILING DATE: 2002-03-07

PRIOR APPLICATION NUMBER: 60/274,281

PRIOR FILING DATE: 2001-03-08

PRIOR APPLICATION NUMBER: 60/288,148

PRIOR FILING DATE: 2001-05-02

PRIOR APPLICATION NUMBER: 60/274,849

PRIOR FILING DATE: 2001-03-09

PRIOR APPLICATION NUMBER: 60/275,235

PRIOR FILING DATE: 2001-03-12

PRIOR APPLICATION NUMBER: 60/338,375

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: 60/275,579

PRIOR FILING DATE: 2001-03-13

PRIOR APPLICATION NUMBER: 60/335,302

PRIOR FILING DATE: 2001-10-31

PRIOR APPLICATION NUMBER: 60/275,601

PRIOR FILING DATE: 2001-03-13

PRIOR APPLICATION NUMBER: 60/276,000

PRIOR FILING DATE: 2001-03-14

PRIOR APPLICATION NUMBER: 60/277,338

PRIOR FILING DATE: 2001-03-20

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 114

SOFTWARE: Patin 2.1

SEQ ID NO 52

LENGTH: 467

TYPE: PRT

ORGANISM: Homo sapiens

US-10-094-466-52

Query Match 31.0%; Score 1037; DB 15; Length 467;

Best Local Similarity 48.4%; Pred. No. 3.1e-47;

Matches 233; Conservative 75; Mismatches 117; Indels 56; Gaps 9;

Qy 32 LSDENRNLROBLEGCEYVARLQVETETIQVSEAYENLVKSSSKREALEKAMRNKLEGE 91

Db 11 LQDRNRLQRELESAEYAGRIEKLSEIQRLSAHSLTPASSKREALEKTMKNKQDSE 70

Qy 92 TRMHDPMRDLRERETANKOLAEKEYEGSEDTKRTISQLFAKNKESQREKEKLEAEIAT 151

Db 71 MRLQDPMRDLRERETANKOLAEKEYEGSEDTKRTISQLFAKNKESQREKEKLEAEIAT 151

Qy 152 ARSTNEDQRRHIEIRDOALSNAQAVVLEBEELKKQVYVDYKVKMOQALVOQAACEKR 211

Db 131 LRGAIEDQRRLRELESLRQALGNAQGRAPAAEBELKKQVYVAVKVRLLQALGOQAACEKR 190

Qy 212 EQLERLRLRLRELESLRTOQRO-----GNCQPTNVSEYNAALMELREKEERILALE 266

Db 191 EQLERLRLRLRELESLRTOQRO-----GNCQPTNVSEYNAALMELREKEERILALE 266

Qy 267 ADMTKWEOKYLEENVRHFLDAATVAAGRDITVISHSPNTSYDTALBARIQKEEBEIL 326

Db 251 ADMTKWEOKYLEERAMRQFAMDAATVAAGRDITVISHSPNTSYDTALBARIQKEEBEIL 326

Qy 327 MANKRCLDMEGRITKLHAQITIKDAMIKTLQORSRKEPEKTEQLSCMRPAKSLMSISNAG 386

Db 304 TCGHNRHQBESLKLVLHQLIEKQAVITVLDQRRSRDQKALIQGS -LRPAKSVSPVAAA 362

Qy 387 SGLSHSITLTSPIWEEKRDXKSKWSGLGILGIGDYRAEYVPS-----TPSPVPP 437

Db 363 AA-----GTGCGQ-----LSSSEKQTADAPARLTADRAPTEPVT 400
Qy 438 STPLLSASHTGSDCTGTERTGTSNKTAAPVAPISVPAP-----VAAAATAAATTAA 492
Db 401 APF--AAHAKGSDGSDGTGTGDPDSTSTCTC-----PPEPDSILGSSSORAASLDSVAT 453
Qy 493 T 493
Db 454 S 454

RESULT 7

US-10-720-273-4
; Sequence 4, Application US/10720273
; Publication No. US20040141978A1
; GENERAL INFORMATION:
; APPLICANT: HOLMGREN, Lars
; APPLICANT: TROYANOVSKY, Boris
; TITLE OF INVENTION: ANGIOGENESIS RELATED MOLECULES
; FILE REFERENCE: 0552-0134P
; CURRENT APPLICATION NUMBER: US/10/720, 273
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US 09/332,063
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: 60/114,386
; PRIOR FILING DATE: 1998-12-29
; PRIOR APPLICATION NUMBER: 60/089,266
; PRIOR FILING DATE: 1998-06-15
; PRIOR APPLICATION NUMBER: SE9804372-2
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-720-273-4

Query Match 19.8%; Score 663; DB 16; Length 143;
Best Local Similarity 100.0%; Pred. No. 5.6e-28;
Matches 143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 462 ESNKTAAPVAPISVPAPVAAAATAAATTATTTTAAAPVAAAAPAAAAPSPA 521
Db 1 ESNKTAAPVAPISVPAPVAAAATAAATTATTTTAAAPVAAAAPAAAAPSPA 60
Qy 532 TAAATAAATVSPAAAGQIPAAASVASAAPVAPSPAAAAPVAPAPVAPVAPVAP 581
Db 61 TAAATAAATVSPAAAGQIPAAASVASAAPVAPSPAAAAPVAPAPVAPVAPVAP 120
Qy 582 AAAQASAPQOTQAPTSAPVAPVPT 604
Db 121 AAAQASAPQOTQAPTSAPVAPVPT 143

RESULT 8

US-10-260-715-8
; Sequence 8, Application US/10260715
; Publication No. US2003009992A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: NOCKA, Karl
; APPLICANT: LU, Sun
; APPLICANT: MEDLEY, Quintus
; APPLICANT: THOMAS, Daniel
; APPLICANT: GU, Jeesie
; TITLE OF INVENTION: Genes Associated with Mast Cell Activation
; FILE REFERENCE: 053529-5006
; CURRENT APPLICATION NUMBER: US/10/260,715
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: 60/325,536
; PRIOR FILING DATE: 2001-10-01
; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 1259
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-260-715-8

Query Match 8.4%; Score 280.5; DB 14; Length 1259;
Best Local Similarity 31.6%; Pred. No. 1.3e-06;
Matches 96; Conservative 34; Mismatches 109; Indels 65; Gaps 11;

Qy 386 GSGLLSHSTLTGSPIMEERDKSKGSLGILGDRYRAEYVPTSTSPVPPSTPLLSAH 445
Db 356 GRPLSSGQPGATGAYDAGEAGADSSRDNSSPAADG-----PTRP--EQAKPAAAGH 405
Qy 446 SKTGSRCSTGTERTGTSNKTAAPV-----ISVPAP-----VAAAATA 484
Db 406 SRAPSR---SREPRPASAAPPAPGPPPEALTLPSPOPLPLEVTQDPSVGENLPAAP 462
Qy 485 AATATATATTTTAAAPVAAAAPAAAAPSPATTAATAAASVAPAAAGQIPAAASV 544
Db 463 APSSASQVLT-----APASVAPALASSFSAPTATSTSSPTAPAPAPPSAP 514
Qy 545 ASAAAAPSAAPAAAAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAP 594
Db 515 TSTPAPAPSPAAATPAPAPVPTLPSPALTPVPTPAPSPAPPTAPAPAPSPALTPV 574
Qy 595 PTAAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAP 641
Db 575 PTPALSPAPPTLPAPAPSPALTPVPTPALSAPTAPPTAPAPSPAPAPPTAPAPSPA 634
Qy 642 KTDG 645
Db 635 PADG 638

RESULT 9

US-09-864-761-36456
; Sequence 36456, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmca-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263, 6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663

;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 612
;; SEQ ID NO 169
;; LENGTH: 2846
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-184-644-169

Query Match 7.9%; Score 265.5; DB 14; Length 2846;
Best Local Similarity 42.4%; Pred. No. 2.1e-05;
Matches 81; Conservative 11; Mismatches 84; Indels 15; Gaps 2;

QY 448 TGSRDCTGT-----ERGTESNKTAAPVAPISVPVAAAAATRA-----AATATTA 492
DB 2649 TGGTCCTTTCTCCCATCTCTGTACACATTATTAATAAGGGTTGGCTTCGA 2708
QY 493 TTTTVAAPVAVAAAAAASPATTAATAVSPAAGQIPAAASVASAAVAP 552
DB 2709 ACTACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2768
QY 553 SAAAAAIVVAPAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAP 612
DB 2769 AAA 2828
QY 613 VAOAEVPA SPA 623
DB 2829 AAAAAAAAAAAAA 2839

RESULT 12
US-10-184-634-169
;; Sequence 169, Application US/10184634
;; Publication No. US2003006864n1
;; GENERAL INFORMATION:
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Chen, Jian
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Pan, James
;; APPLICANT: Smith, Victoria
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3430R1C217
;; CURRENT APPLICATION NUMBER: US/10/184.634
;; CURRENT FILING DATE: 2002-06-28
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 612
;; SEQ ID NO 169
;; LENGTH: 2846
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-184-634-169

Query Match 7.9%; Score 265.5; DB 14; Length 2846;
Best Local Similarity 42.4%; Pred. No. 2.1e-05;
Matches 81; Conservative 11; Mismatches 84; Indels 15; Gaps 2;

QY 448 TGSRDCTGT-----ERGTESNKTAAPVAPISVPVAAAAATRA-----AATATTA 492
DB 2649 TGGTCCTTTCTCCCATCTCTGTACACATTATTAATAAGGGTTGGCTTCGA 2708
QY 493 TTTTVAAPVAVAAAAAASPATTAATAVSPAAGQIPAAASVASAAVAP 552
DB 2709 ACTACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2768
QY 553 SAAAAAIVVAPAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAP 612
DB 2769 AAA 2828

QY 613 VAOAEVPA SPA 623
DB 2829 AAAAAAAAAAAAA 2839

RESULT 13
US-10-063-685-37

;; Sequence 37, Application US/10063685
;; Publication No. US20030180909A1
;; GENERAL INFORMATION:
;; APPLICANT: Batson, Dan L.
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, Christopher J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3230R1C1
;; CURRENT APPLICATION NUMBER: US/10/063.685
;; CURRENT FILING DATE: 2002-05-08
;; Prior Application removed - See File Wrapper
;; NUMBER OF SEQ ID NOS: 170
;; SEQ ID NO 37
;; LENGTH: 2846
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-063-685-37

Query Match 7.9%; Score 265.5; DB 14; Length 2846;
Best Local Similarity 42.4%; Pred. No. 2.1e-05;
Matches 81; Conservative 11; Mismatches 84; Indels 15; Gaps 2;

QY 448 TGSRDCTGT-----ERGTESNKTAAPVAPISVPVAAAAATRA-----AATATTA 492
DB 2649 TGGTCCTTTCTCCCATCTCTGTACACATTATTAATAAGGGTTGGCTTCGA 2708
QY 493 TTTTVAAPVAVAAAAAASPATTAATAVSPAAGQIPAAASVASAAVAP 552
DB 2709 ACTACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2768
QY 553 SAAAAAIVVAPAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAP 612
DB 2769 AAA 2828
QY 613 VAOAEVPA SPA 623
DB 2829 AAAAAAAAAAAAA 2839

RESULT 14
US-10-184-644-149

;; Sequence 149, Application US/10184644
;; Publication No. US20030044930n1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Chen, Jian
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Pan, James
;; APPLICANT: Smith, Victoria
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3430R1C227

CURRENT APPLICATION NUMBER: US/10/184,644
CURRENT FILING DATE: 2002-06-28
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 149
LENGTH: 2773
TYPE: DNA
ORGANISM: Homo Sapien
US-10-184-644-149

Query Match 7.9%; Score 264.5; DB 14; Length 2773;
Best Local Similarity 43.4%; Pred. No. 2.4e-05;
Matches 79; Conservative 11; Mismatches 85; Indels 7; Gaps 2;

QY 449 GSRDCSTOTERGTSNKTAAPVAPISVPAPVAAAATAATATATTTTMMVAA-----AP 503
DB 2594 GTTTCATTTTGTCA--TGACATGTAGGAATGCTGAATTAATGTTTAGAAGATGAA 2651
QY 504 VAVAAAAAPAAAAAPSPATAATAAVSPAAAGQIPAAASVSAVAAPSAAAAAVQVA 563
DB 2652 AAATAAAAAAPAAAAAPSPATAATAAVSPAAAGQIPAAASVSAVAAPSAAAAAVQVA 2711
QY 564 PAAPAPVAPALVPVAPAAQAASAPAOQTAPTSAPAVAPTPAPTPPAVQAQEVVAPSPA 623
DB 2712 AA 2771
QY 624 TG 625
DB 2772 AG 2773

RESULT 15
US-10-184-634-149
Sequence 149; Application US/10184634
Publication No. US2003006864A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C217
CURRENT APPLICATION NUMBER: US/10/184,634
CURRENT FILING DATE: 2002-06-28
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 149
LENGTH: 2773
TYPE: DNA
ORGANISM: Homo Sapien
US-10-184-634-149

Query Match 7.9%; Score 264.5; DB 14; Length 2773;
Best Local Similarity 43.4%; Pred. No. 2.4e-05;
Matches 79; Conservative 11; Mismatches 85; Indels 7; Gaps 2;

QY 449 GSRDCSTOTERGTSNKTAAPVAPISVPAPVAAAATAATATATTTTMMVAA-----AP 503
DB 2594 GTTTCATTTTGTCA--TGACATGTAGGAATGCTGAATTAATGTTTAGAAGATGAA 2651
QY 504 VAVAAAAAPAAAAAPSPATAATAAVSPAAAGQIPAAASVSAVAAPSAAAAAVQVA 563
DB 2652 AAATAAAAAAPAAAAAPSPATAATAAVSPAAAGQIPAAASVSAVAAPSAAAAAVQVA 2711
QY 564 PAAPAPVAPALVPVAPAAQAASAPAOQTAPTSAPAVAPTPAPTPPAVQAQEVVAPSPA 623

DB 2712 AA 2771
QY 624 TG 625
DB 2772 AG 2773

Search completed: February 10, 2005, 10:28:06
Job time : 148.883 secs